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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/644,097	08/20/2003	Kirill Sokolov	1293.1808	4964

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EXAMINER

BLACKMAN, ROCHELLE ANN J

ART UNIT	PAPER NUMBER
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2851

DATE MAILED: 09/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/644,097

Applicant(s)

SOKOLOV, KIRILL

Examiner

Rochelle Blackman

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 July 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-41 is/are allowed.
- 6) ☒ Claim(s) 42-44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-44 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 42 and 43 are rejected under 35 U.S.C. 102(b) as being anticipated by Faris (U.S. Patent No. 5,221,982).

Regarding claim 42, Faris discloses an apparatus (see Fig. 18) comprising: an illumination system (see 151 and 184 of Fig. 18) to emit white light having light of a predetermined wavelength band; a plurality of prisms (see 195, 199 of Fig. 19, although not described in the specification, it is considered to be same as elements 132 of FIG. 11a, which are considered be "prisms" according the description in col. 9, lines 38-43), each coated with a cholesteric liquid crystal film (see 200 of Fig. 19), to convert the light of the predetermined wavelength band to a first polarization component; and a color recycling system (see 185-190 of FIG. 19 and see description of FIGS. 18 and 19 in col. 12, lines 25-65) to separate the light of the predetermined wavelength band into a first

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color light (any one of red, green, or blue) and a second color light (any one of red, green, or blue, that is not the same as the “first color light”) transmit and reflect the first and second color lights, to convert a third color light (any one of red, green, or blue, that is not the same as the “first color light” and “second color light”) to have a second polarization component, and transmit the third color light so that a fourth color light (any one of cyan, magenta or yellow), that is a mixture of the first and third color lights, and a fifth color light (any one of cyan, magenta, or yellow, that is not the same as the “fourth color light”), that is a mixture of the second and third color lights, progress in different optical paths (see arrows representing optical paths of cyan, magenta, and yellow color lights in FIG. 18).

Regarding claim 43, Faris discloses a screen (although not shown, this considered to be the element the color lights are projected on to by lens 159 in FIG. 18 – also see *screen* in col. 11, lines 1-7) to receive the first through third color lights modulated by the image forming system and projected thereon and display an image without losing the white light emitted from the light source.

2. Claim 44 is rejected under 35 U.S.C. 102(b) as being anticipated by Jung (U.S. Patent No. 5,993,007).

Juang discloses an apparatus (see FIG. 3) comprising: a plurality of reflective panels (see 140 and 150 of FIG. 3); and a screen (see *screen* in col. 3, line 3 and col. 5, line 5) to receive yellow and magenta lights (see *yellow* and *magenta* in col. 5, lines 20-25) from the plurality of reflective panels and to combine the yellow and magenta lights into a unified image, the reflective panels forming a shadow zone (see area between

140 and 150 in FIG. 2) formed therebetween in which the yellow and magenta lights are not reflected (no light is reflected in the area between the “reflective panels” 140 and 150, therefore “yellow and magenta lights” are not “reflected” in the area between the “reflective panels” 140 and 150).

Allowable Subject Matter

Claims 1-41 remain allowed for same reasons as previously indicated in last Office action.

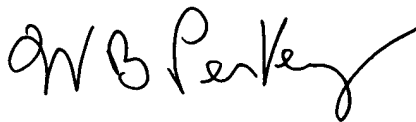
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rochelle Blackman whose telephone number is (571) 272-2113. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "W B Perkey", with a stylized flourish at the end.

RB

William Perkey
Primary Examiner